EAST AFRICAN

METEOROLOGICAL DEPARTMENT

SUMMARY OF METEOROLOGICAL OBSERVATIONS

FOR

1948-1949.

SEYCHELLES.

QC
991
.A1
S86
1948-1949
[Summary]

CONTENTS.

Mahe, Seychelles

SEYCHELLES.

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT MAHE, SEYCHELLES, 1948.

Lat: 4°37'S Long: 55°27'E Alt: 16 ft. Standard Time 4h 00m East. Reference Number 94.55/00

Month	Atmospheric Pressure @		Temperature				Vapour Pressure		Saturation Deficit		Relative Humidity		Total Cloud Amt.		Number of occasions at 6.30h of Cloud Amounts					Rainfall				Number of days of	
			Dry Bulb		Dew Point															Total		Max.Fall in 24hrs.	Date	Rain	Thunder.
	h 8.30	h 14.30	8.30	14.30	8.30	14.30	h 8.30	h 14.30	h 8.30	h 14.30	h 8.30	h 14.30	h 8.30	h 14.30	0	1-3	4-6	7-9	10	mm.	ins.	ins.			
	ins.	ins.	F	F	F	F	ins.	ins.	ins.	ins.	%	%													
January	29.899	29.816	80.4	81.4	74.5	74.8	.862	.871	.186	.210	82	81	8.1	8.3	0	1	6	16	8	477.3	18.79	4.92	15	19	2
February	29.923	29.837	82.1	83.5	74.3	74.3	.856	.856	.251	.302	77	74	6.9	6.4	0	2	4	22	1	74.9	2.95	0.64	21	16	0
March	29.893	29.826	83.1	82.9	74.6	75.1	.865	.880	.278	.257	76	77	6.6	7.0	0	2	11	15	3	357.4	14.07	2.70	27	25	4
April	29.893	29.810	84.5	85.2	75.7	75.6	.898	.895	.298	.328	75	74	5.2	6.0	0	7	14	8	1	112.8	4.44	1.01	29	15	1
May	29.914	29.828	83.0	84.6	74.1	74.3	.850	.856	.290	.346	75	71	5.3	4.8	0	9	12	8	2	75.4	2.97	1.76	9	9	0
June	29.929	29.858	81.4	82.3	72.9	73.0	.818	.821	.263	.292	76	74	7.6	8.2	0	2	7	14	7	41.4	1.63	0.44	14	19	0
July	29.926	29.858	79.1	80.3	70.9	71.6	.765	.783	.239	.262	76	75	7.7	7.9	0	0	9	14	8	56.6	2.23	1.51	10	15	0
August	29.926	29.858	79.4	80.3	71.4	72.1	.777	.794	.236	.248	77	76	7.6	8.0	0	1	7	18	5	42.4	1.67	0.32	17	15	0
September	29.926	29.846	80.4	82.1	73.4	73.7	.833	.839	.215	.268	80	75	7.4	7.1	0	1	9	17	3	115.6	4.55	1.18	4	19	0
October	29.935	29.858	80.9	81.4	73.8	74.1	.842	.850	.224	.231	79	79	6.6	6.6	0	2	14	12	3	225.3	8.87	2.40	16	17	1
November	29.937	29.855	81.2	82.4	72.6	72.5	.809	.806	.266	.313	75	72	5.7	6.0	0	5	14	9	2	164.3	6.47	2.25	1	11	0
December	29.881	29.799	82.6	82.8	74.2	74.2	.853	.853	.272	.278	75	75	6.2	7.0	0	7	10	6	8	233.9	9.21	2.09	19	13	6
Year	29.915	29.837	81.5	82.4	73.5	73.8	.836	.842	.251	.278	77	75	6.7	6.9	0	39	117	159	51	1977.3	77.85	4.92	Jan. 15	193	14

@ At station level: corrected for Temperature and to standard gravity.

Month	Frequency of Wind Direction at 8.30h.									Frequency of Wind Force at 8.30			Mean Wind Velocity		Extremes of Temperature of the Air.									Frequency of Visibility at 8.30		
	N	NE	E	SE	S	SW	W	NW	Calm	1-3	4-7	>7	h 8.30	h 14.30	Max.	Date	Min.	Date	Mean Max.	Mean Min.	Mean Max + Min	Range Max.	Range Min.	Range Mean	Fog	Mist	Good Vis.
													m.p.h.	m.p.h.	F		F		F	F	F	F	F	F			
January	3	1	0	0	2	0	5	14	6	22	3	0	4.9	8.3	86.4	29	74.5	13	82.9	76.9	79.9	10.2	2.1	6.0	0	3	28
February	1	3	5	4	0	0	2	10	4	22	3	0	6.7	7.8	88.0	20	73.8	22	84.9	77.3	81.1	13.0	2.6	7.6	0	1	28
March	4	3	4	3	0	0	3	8	6	24	1	0	5.6	8.1	88.0	7	72.8	10	85.7	76.1	80.9	14.1	4.6	9.6	0	1	30
April	2	4	6	7	3	1	1	1	5	24	1	0	4.7	4.3	89.3	18	74.2	3	87.2	77.0	82.1	13.5	3.8	10.2	0	0	30
May	0	1	11	12	2	1	0	0	4	25	2	0	6.5	8.3	89.2	6	71.2	25	86.0	76.5	81.3	14.7	6.0	9.5	0	0	31
June	0	0	4	19	5	1	0	0	1	9	20	0	14.3	14.3	86.0	1	73.6	15	83.5	77.7	80.6	10.4	4.1	5.9	0	0	30
July	0	0	9	17	5	0	0	0	0	13	16	0	13.2	12.5	84.6	2	71.9	11	81.9	75.8	78.9	9.1	4.2	6.1	0	1	30
August	0	0	4	14	11	1	0	0	1	11	19	0	13.6	13.0	84.9	27	73.3	28	81.8	76.0	78.9	10.5	3.5	5.8	0	3	28
September	0	1	11	16	1	0	0	0	1	17	12	0	11.0	11.0	85.1	27	73.3	28	82.9	76.1	79.5	10.5	4.1	6.8	0	2	28
October	1	1	8	12	2	2	0	0	5	16	8	0	8.9	7.4	85.8	28	71.7	17	82.9	75.3	79.1	12.4	3.2	7.5	0	2	29
November	3	4	9	6	2	2	0	0	4	25	1	0	4.7	4.9	87.0	28	71.2	21	83.9	74.4	79.1	14.3	4.1	9.5	0	0	30
December	2	0	10	4	0	0	4	8	3	23	5	0	7.4	7.4	89.8	13	70.8	22	85.2	75.6	80.4	15.8	4.3	9.5	0	1	30
Year	16	18	81	114	33	8	15	41	40	233	93	0	8.5	8.9	89.8	Dec. 13	70.8	Dec. 22	84.1	76.2	80.1	15.8	2.1	7.8	0	14	352

SUMMARY OF METEOROLOGICAL OBSERVATIONS TAKEN AT MAHE, SEYCHELLES, IN 1949.

Latitude 4°37'S Longitude 55°27'E Altitude 16 feet. Standard Time = G.M.T. + 3 hours.

Month	Atmospheric Pressure (1)		Temperature				Extremes of Temperature								Relative Humidity		Rainfall		
			Dry Bulb		Dew Point						Mean	Mean	Max. + Min.	Mean				Max. Fall	
	0830	1430	0830	1430	0830	1430	Max.	Date	Min.	Date	Max.	Min.	2	Range	0830	1430	Total	in 24 hrs.	Date
	mb.	mb.	°F	°F	°F	°F	°F		°F		°F	°F	°F	°F	%	%	ins.	ins.	
January	1012.3	1009.5	81.8	82.8	73.7	73.6	87.0	13	71.4	19	84.7	76.8	80.7	7.8	77	74	2.50	1.28	18
February	1011.9	1009.3	82.1	82.6	74.6	74.1	89.0	23	72.8	14	85.2	76.1	80.7	9.1	78	76	13.24	2.12	13
March	1011.4	1008.6	84.1	85.1	75.1	75.3	88.7	9	73.4	4	86.7	77.5	82.1	9.2	74	73	5.21	1.69	3
April	1011.9	1009.2	84.8	85.5	74.4	74.7	90.6	4	75.0	28	87.7	78.5	83.1	9.3	71	71	1.20	0.31	6
May	1011.4	1009.0	83.4	83.7	74.6	74.5	88.8	8	72.2	27	86.2	77.1	81.7	9.2	75	74	3.91	1.16	16
June	1012.2	1010.1	81.3	82.4	73.6	73.3	85.9	2	73.1	27	83.7	76.6	80.1	7.1	77	74	3.87	0.79	2
July	1012.3	1010.3	79.6	80.4	71.6	72.0	83.5	4	72.8	21	82.0	76.1	79.1	5.9	77	76	2.18	1.12	7
August	1012.5	1010.3	79.7	80.4	71.0	71.5	84.2	24	72.8	9	81.8	76.0	78.9	5.9	75	75	6.30	3.70	21
September	1013.1	1010.0	80.9	82.0	71.8	72.3	84.8	28	71.8	13	83.3	76.2	79.7	6.6	74	73	1.99	0.56	1
October	1013.2	1010.5	81.6	82.1	73.2	73.1	87.3	3	73.0	25,27	84.3	75.8	80.1	8.5	75	74	9.52	2.70	26
November	1012.9	1009.7	81.3	82.2	72.5	72.2	86.5	16	71.0	7	84.2	74.3	79.3	9.9	75	72	6.89	2.26	30
December	1011.3	1008.7	81.4	81.5	73.6	73.4	88.3	15	72.4	5	84.3	74.5	79.4	9.8	78	77	13.61	3.30	27
Year	1012.2	1009.6	81.8	82.4	73.3	73.3	90.6	April 4	71.0	Nov. 7	84.5	76.3	80.4	8.2	75	74	70.42	3.70	August 21

Month	Prevailing Wind Direction (2)		Mean Wind Speed		Cloud Amount (eighths) and Frequency of Total Cloud													Frequency of Visibility (3)						No.of days of	
					Total		Low		0830					1430				0830			1430				
	0830	1430	0830	1430	0830	1430	0830	1430	0	1-2	3-5	6-7	8	0	1-2	3-5	6-7	8	Fog	Mist or Haze	Good	Fog	Mist or Haze	Good	Rain (4)	Thunder
			knots	knots																						
January	WNW	WNW	6	8	5.2	6.1	4.0	5.3	0	5	8	11	7	0	2	7	14	8	0	2	29	0	1	30	11	0
February	WNW	W-NNE	3	5	5.3	5.6	4.0	4.1	0	3	10	8	7	0	4	7	10	7	0	2	26	0	2	26	16	3
March	NNE	NNE	4	5	4.4	5.0	3.5	4.1	0	5	16	5	5	0	2	15	11	3	0	0	31	0	0	31	10	3
April	NW	NW	6	8	3.7	5.0	3.1	4.0	0	8	17	5	0	0	2	15	12	1	0	0	30	0	0	30	7	0
May	ESE/SE	ESE	7	8	5.4	5.9	3.4	3.9	0	4	10	6	11	0	2	9	9	11	0	0	31	0	1	30	17	2
June	SE	ESE	9	11	6.2	5.7	4.2	3.8	0	2	6	12	10	0	0	12	11	7	0	3	27	0	1	29	25	0
July	SE	ESE/SE	11	12	6.4	6.1	3.5	3.6	0	0	9	5	17	0	1	10	7	13	0	2	29	0	1	30	17	0
August	SE	ESE/SE	11	11	6.7	7.1	3.4	3.5	0	1	2	12	16	0	0	3	6	22	0	1	30	0	1	30	20	2
September	ESE/SE	ESE/SE	10	10	4.6	4.7	3.6	2.6	0	3	16	5	6	0	4	14	5	7	0	0	30	0	0	30	11	0
October	ESE	S	7	8	5.7	5.8	3.9	4.0	0	1	10	11	9	0	1	10	9	11	0	1	30	0	0	31	16	4
November	NW	NW/ESE	5	5	5.0	5.4	3.5	3.7	0	5	12	5	8	0	2	13	11	4	1	0	29	0	0	30	14	1
December	ESE/NW	ESE/NW	5	5	5.4	6.0	3.4	4.5	0	2	13	5	11	0	1	9	10	11	0	0	31	0	0	31	25	2
Year	ESE/S	ESE/SE	7	8	5.3	5.7	3.6	3.9	0	39	129	90	107	0	21	124	115	105	1	11	353	0	7	358	189	17

Notes: (1) Pressure is given at Station Level.
(2) Two wind directions separated by a solidus (/) mean that there were these two predominant directions: two directions separated by a hyphen (-) mean that the wind was from between these two directions.
(3) The following definitions are used in this table: Fog = Visibility less than 1100 yards: Mist or Haze = Visibility 1100 yards to 6½ miles: Good = Visibility 12 miles or over.
(4) A day of rain is one on which 0.01 inch or more of rain falls.